



STIC Search Report

EIC 2800

STIC Database Tracking Number: 100776

TO: Pia Tibbits
Location: CP4-10A09
Art Unit: 2838
Thursday, May 22, 2003
Case Serial Number: 09/548,213
US 5,739,667

From: Jeff Harrison
Location: STIC-EIC2800
CP4-9C18
Phone: 306-5429
Email: harrison, jeff

Search Notes

Examiner Tibbitts,

Re: Litigation search

I found no U.S. litigation.

Attached are search results from the Lexis-Nexis and Questel-Orbit databases.

Based on this, if you have questions or would like a refocused search, please contact me.

Thanks,

Jeff

Jeff Harrison

Team Leader, STIC-EIC2800

CP4-9C18, 703-306-5429

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) ⓘ

Terms: **patno=5739667** ([Edit Search](#))

578805 (08) 5739667 April 14, 1998

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5739667

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[Link to Claims Section](#)

April 14, 1998

Control system for charging batteries and electronic apparatus using same

REISSUE: Reissue Application filed Apr. 12, 2000 (O.G. Jun. 6, 2000) Ex. Gp.: 2838; Re. S.N. 09/548,213, (O.G. June 6, 2000)

INVENTOR: Matsuda, Kouichi, Kawasaki, JP; Saeki, Mitsuo, Kawasaki, JP; Tanaka, Nobuo, Kawasaki, JP; Ozawa, Hidekiyo, Kawasaki, JP

APPL-NO: 578805 (08)

FILED-DATE: December 26, 1995

GRANTED-DATE: April 14, 1998

PRIORITY: December 26, 1994 - 6-321970, Japan (JP)

ASSIGNEE-AT-ISSUE: Fujitsu Limited, Kawasaki, JP

ASSIGNEE-AFTER-ISSUE: December 21, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., BRIDGESTONE/FIRESTONE, INC. 1200 FIRESTONE PARKWAY AKRON OHIO 44317, Reel and Frame Number: 007816/0103

December 26, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUJITSU LIMITED 1015, KAMIKODANAKA, NAKAHARA-KU KAWASAKI-SHI, KANAGAWA 211 JA PAN, Reel and Frame Number: 007911/0304

LEGAL-REP: Staas & Halsey

PUB-TYPE: April 14, 1998 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 320#128

US-ADDL-CL: 320#161, 320#162, 320#164

CL: 320

SEARCH-FLD: 320#2, 320#5, 320#10-.11, 320#14, 320#22, 320#31, 320#32, 320#39, 320#48, 320#43, 320#44

Questel-Orbit QWEB

Selected file: PLUSPAT

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Comprehensive Worldwide Patents database
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE
Last update of file: 2003/07/30 (YYYY/MM/DD) 2003-30/UP (basic update)
Updates delayed - EPO internal delay.

Search statement 1

Query/Command : /pn 5739667

** SS 1: Results 1

Search statement 2

Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - QQUESTEL-ORBIT - image +

Patent Number :

US5739667 A 19980414 [US5739667]

Title :

(A) Control system for charging batteries and electronic apparatus using same

Patent Assignee :

(A) FUJITSU LTD (JP)

Patent Assignee :

Fujitsu Limited, Kawasaki [JP]

Inventor(s) :

(A) MATSUDA KOUICHI (JP); SAEKI MITSUO (JP); TANAKA NOBUO (JP); OZAWA HIDEKIYO (JP)

Application Nbr :

US57880595 19951226 [1995US-0578805]

Priority Details :

JP32197094 19941226 [1994JP-0321970]

Intl Patent Class :

(A) H02J-007/00

EPO ECLA Class :

H02J-009/06B

US Patent Class :

ORIGINAL (O) : 320128000; CROSS-REFERENCE (X) : 320161000 320162000 320164000

Document Type :

<http://qwebprd.questel.fr/servlet/ServletNI.ListSessions?jobId=00000802u6lTXIIAM&uid=orbtojh&conv=downloadHTML&lang=en>

Questel·Orbit QWEB

Basic

Citations :

US5150031; US5191277; US5307002; US5349282; US5355073; US5371456; US5382893; US5465039; US5545969

Publication Stage :

(A) United States patent

Abstract :

A control system for charging enabling efficient charging of rechargeable batteries in an electronic apparatus which charges its rechargeable batteries by using a charger circuit when driving the apparatus by using an external power source, including first detecting unit for detecting a differential value between a maximum permissible charging current allowed by the rechargeable batteries and a charging current flowing to the rechargeable batteries; second detecting unit for detecting a maximum useable current by detecting a differential value between a maximum supplyable current allowed by the external power source and the current consumption of the apparatus; third detecting unit for detecting a differential value between a maximum useable current and the charging current flowing to the rechargeable batteries; and control unit for controlling the system in accordance with the differential values detected by the first and third detecting units so that the charger circuit generates the maximum charging current within the range where the charging current flowing to the rechargeable batteries does not exceed either of the maximum permissible charging current and the maximum useable current.

1 / 1 LGST - ©LEGSTAT

Patent Number :

US 5739667 [US5739667]

Application Details :

US 578805/95 19951226 [1995US-0578805]

Document Type :

US-P

Action Taken :

19951221 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST
BRIDGESTONE/FIRESTONE, INC. 1200 FIRESTONE PARKWAY AKRON, OHIO 44317 * BOHM, GEORG G. A. : 19951221; YANG, JAMES H. C. : 19951212

19951226 US/AE-A

APPLICATION DATA (PATENT)

US 578805/95 19951226 [1995US-0578805]

19951226 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

FUJITSU LIMITED 1015, KAMIKODANAKA, NAKAHARA-KU KAWASAKI-SHI, KANAGAWA 211, JAPA * MATSUDA, KOUICHI : 19951215;
SAEKI, MITSUO : 19951215; TANAKA, NOBUO : 19951215; OZAWA, HIDEKIYO : 19951215

19980414 US/A

PATENT

20000606 US/RF

REISSUE APPLICATION FILED

20000412

Update Code :

2000-23

1/1 CRXY- ©CLAIMS/RRX

Patent Number :

5,739,667 A 19980414 [US5739667]

Patent Assignee :

Fujitsu Ltd JP

Actions :

20000412 REISSUE REQUESTED

Issue Date of O.G. : 20000606

Reissue Request Number: 09/548213

Examination Group responsible for Reissue process: 2838

Current session 08/08/2003



Patent Family Search Results

FAM US5739667/XPN Results : 2

PATENT FAMILY



#	Patent No.	Kind	Date	Applic.No.	Date
1)	JP08182219	A	19960712	1994JP-0321970	19941226
2)	US5739667	A	19980414	1995US-0578805	19951226

Priority :

1994JP-0321970 19941226



1/2 PLUSPAT - QUESTEL-ORBIT

- Image

Patent Number :

JP8182219 A 19960712 [JP08182219]

Publication Stage :

(A) Doc. Laid open to publ. Inspec.

Title :

(A) CHARGE CONTROL SYSTEM AND ELECTRONIC APPARATUS

Patent Assignee :

(A) FUJITSU LTD

Patent Assignee :

(A) FUJITSU LTD

Inventor(s) :

(A) MATSUDA KOICHI; SAEKI MITSUO; TANAKA NOBUO; OZAWA HIDEKIYO

Int'l Patent Class :

(A) H02J-007/10 H02J-007/34

Application Nbr :

JP32197094 19941226 [1994JP-0321970]

Priority Details :

JP32197094 19941226 [1994JP-0321970]



2/2 PLUSPAT - QUESTEL-ORBIT

- Image

Patent Number :

US5739667 A 19980414 [US5739667]

Publication Stage :
(A) United States patent

Title :
(A) Control system for charging batteries and electronic apparatus using same

Patent Assignee :
(A) FUJITSU LTD (JP)

Patent Assignee :
Fujitsu Limited, Kawasaki [JP]

Inventor(s) :
(A) MATSUDA KOUICHI (JP); SAEKI MITSUO (JP); TANAKA NOBUO (JP); OZAWA HIDEKIYO (JP)

Intl Patent Class :
(A) H02J-007/00

Application Nbr :
US57880595 19951226 [1995US-0578805]

Priority Details :
JP32197094 19941226 [1994JP-0321970]

EPO ECLA Class :
H02J-009/06B

US Patent Class :
ORIGINAL (O) : 320128000; CROSS-REFERENCE (X) : 320161000 320162000 320164000

Document Type :
Basic

1/1 LEGAL - LEGSTAT

Patent Number :
US 5739667 [US5739667]

Application Details :
US 578805/95 19951226 [1995US-0578805]

Document Type :
US-P

Action Taken :
19951221 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
BRIDGESTONE/FIRESTONE, INC. 1200 FIRESTONE PARKWAY AKRON, OHIO 44317 * BOHM, GEORG G. A. : 19951221; YANG, JAMES H. C. : 19951212

19951226 US/AE-A
APPLICATION DATA (PATENT)
US 578805/95 19951226 [1995US-0578805]

19951226 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FUJITSU LIMITED 1015, KAMIKODANAKA, NAKAHARA-KU KAWASAKI-SHI, KANAGAWA 211, JAPA * MATSUDA, KOUICHI : 19951215; SAEKI, MITSUO : 19951215; TANAKA, NOBUO : 19951215; OZAWA, HIDEKIYO : 19951215

19980414 US/A
PATENT

20000606 US/RF
REISSUE APPLICATION FILED
20000412

Update Code : 2000 - 23

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